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of Engineers

Ft Bliss Modular Force Program



Program Execution Overview Industry Forum

August 9, 2005



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Agenda



- Army Initiatives
- Program Information and Scope
- Concept of Operation
 - Land Development
 - Product Line
- Questions

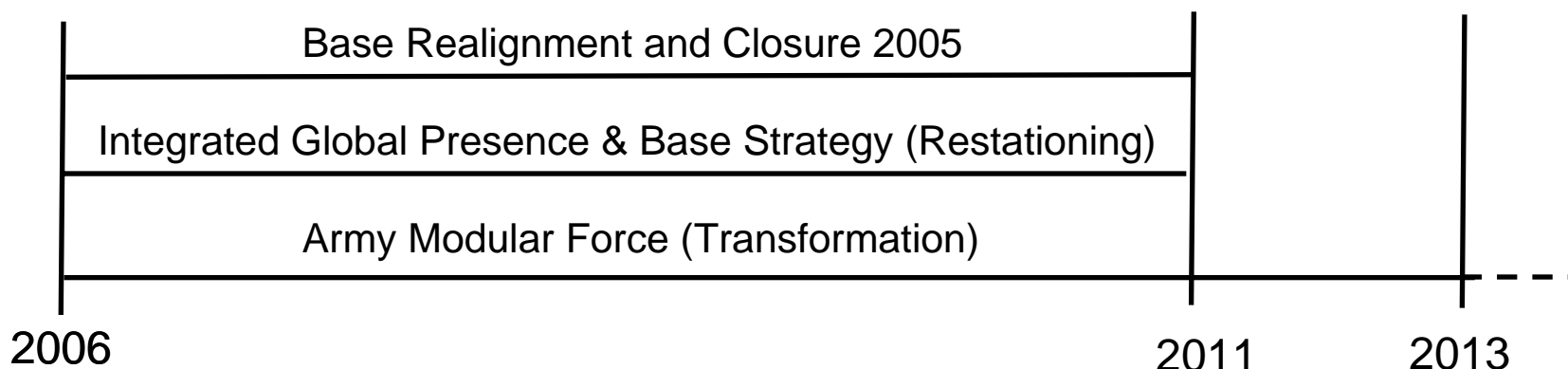


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Army Initiatives



- Annual ***Army military construction*** averages approximately \$2 billion/ year
- Three major initiatives, IGPBS, AMF and BRAC 05 will require ***addition permanent facilities***
- It is estimated that an ***additional several billion/year*** is need to support these initiatives



It is anticipated that ***Ft Bliss will be a significant installation*** in these three Army Initiatives



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MILCON Transformation Initiative



The Army also has initiated a program to change the ***standards, criteria and the methods*** used to procure new facilities.

- The current prescriptive requirements will give way to ***more performance based*** standards and criteria:
 - Facility service life of 25 to 30 years vice 50
 - Contractor builds on post as if he were building off post
 - Material is commercially available that meets requirements
 - Method – no learning curve in constructing the Army way.... Faster completion
 - More potential constructors ... Better competition ... No contractor excluded ... Will create opportunities for small business

- ***Better, Faster, Cheaper, Greener and Safer***

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MILCON Transformation (Leverage Industry Practices)



- Comparison Facilities

- Barracks – Apartments

- Dining Facilities – College Cafeterias

- Battalion/Brigade Headquarters – Office Buildings

- Company Operations Facilities – Light Industrial Bldgs

- Vehicle Maintenance Shops – Heavy Equipment Repair Fac





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Results of National Industry Forums

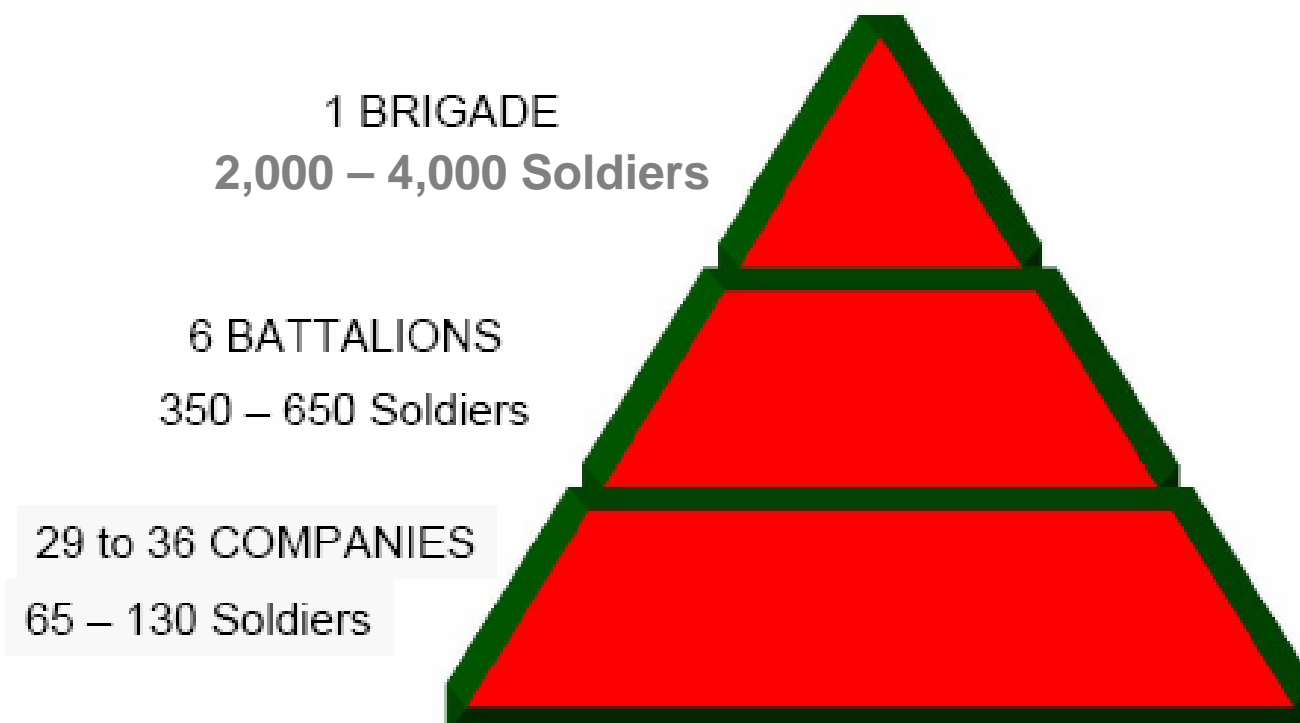


- **Centralize management** of this new MILCON Program initiative
- Utilize **industry standards, codes and best practices** and keep only specialized requirements necessary to meet the Army's needs
- **Standardize solicitations**, utilize standard models for each facility
- **Standardize source selection** criteria and evaluation process
- Consider **construction methods** used by private industry
- Issue **performance based contracts** vs current prescriptive contracts
- Consider **non-traditional construction methods** such as pre-fabricated, pre-engineered, panelized, and modular construction
- Use **repeat business** as an incentive for good performance
- Size contracts so that **Small Business** can bond



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Brigade Combat Team Force Structure

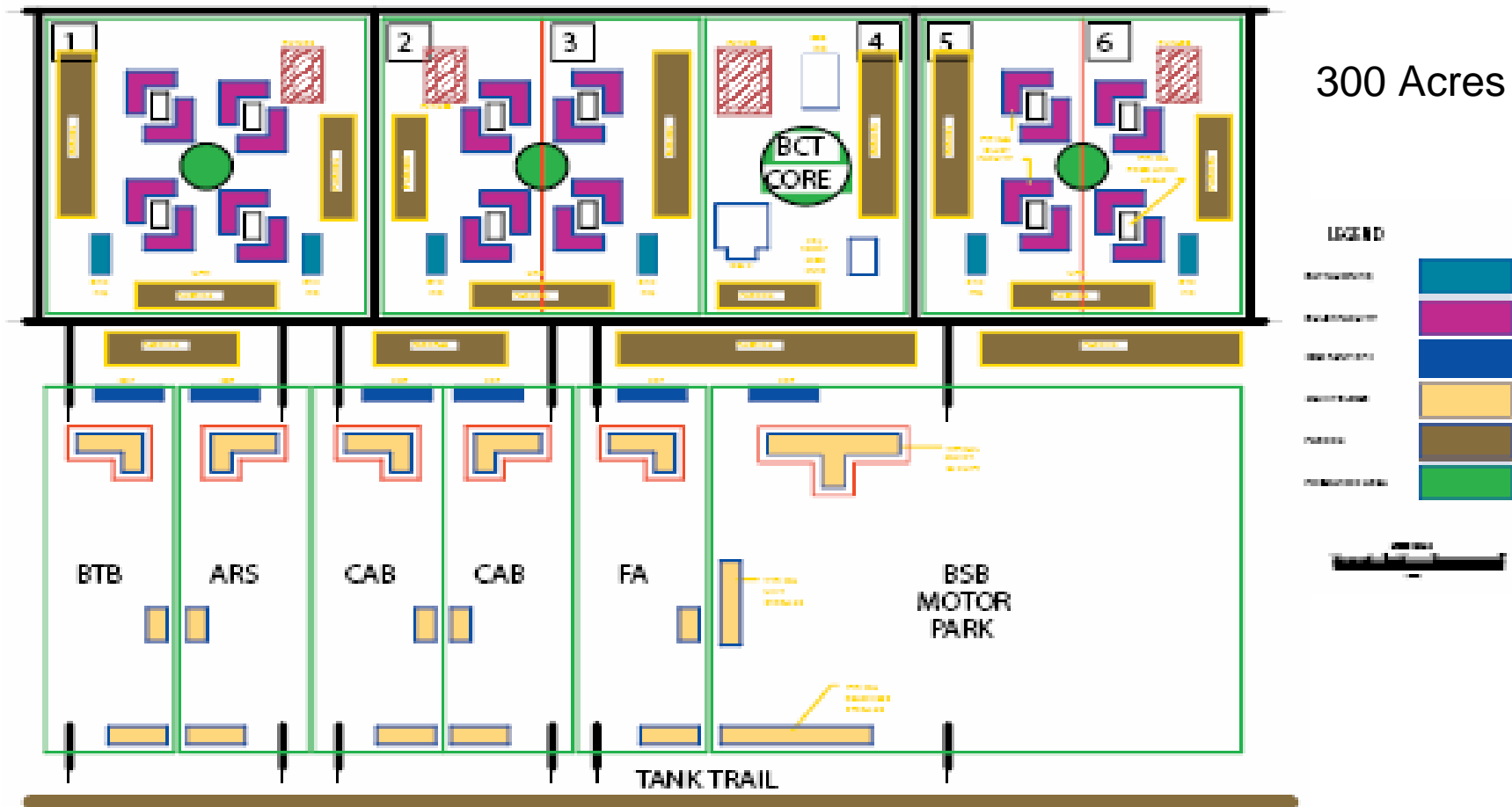


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Brigade Combat Team Footprint



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Ft Bliss Modular Force Mission Critical Facilities Scope



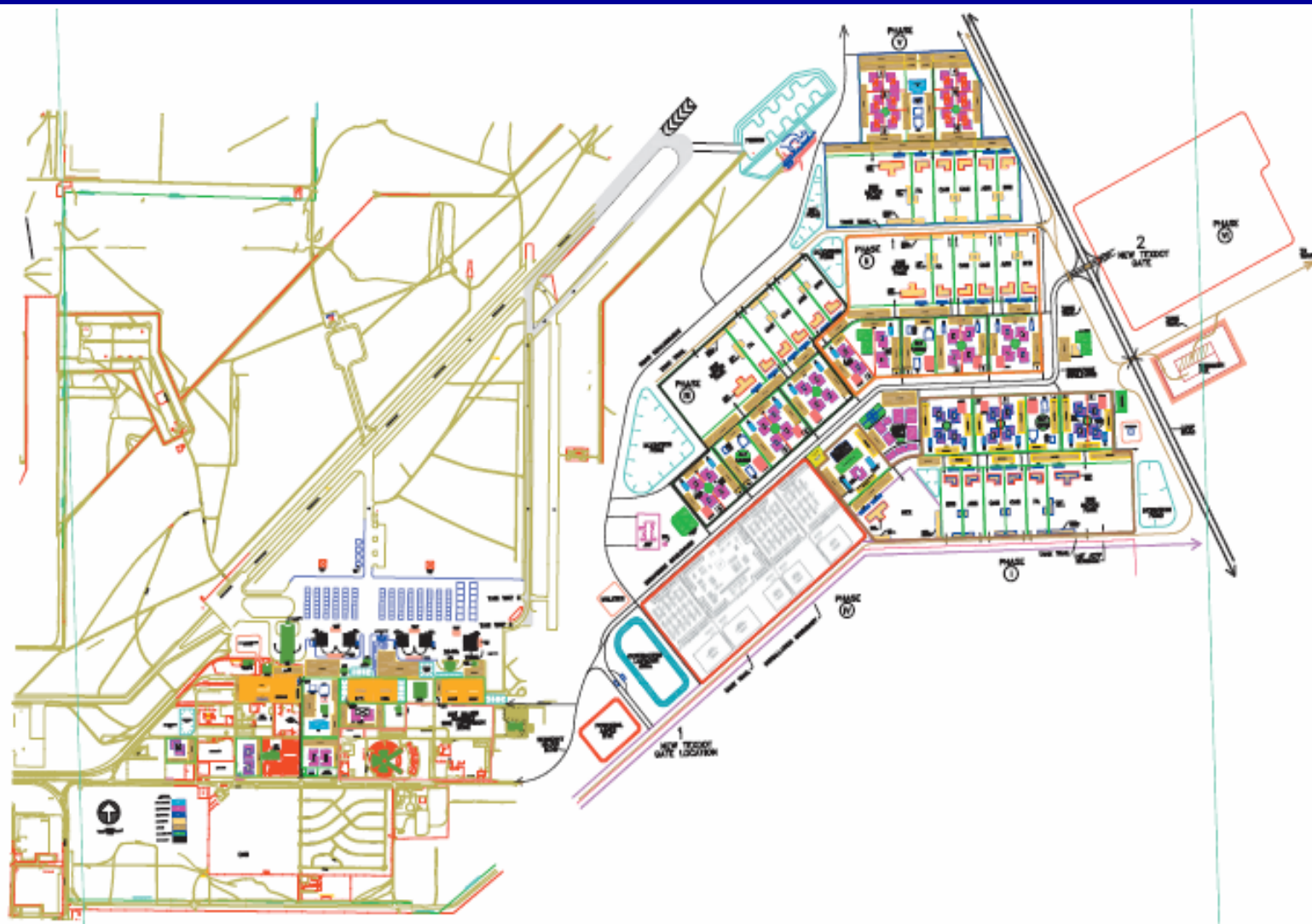
Product Line	No. of Bldgs	Area	
Headquarters Bldgs	7	104,348	SF
Company Operations	6	341,600	SF
Maintenance Shops	6	168,443	SF
Unit Storage Facs	12	43,800	SF
Barracks	25	594,427	SF
Dining Facilities	1	30,233	SF
Equipment Parking		226,584	SY
Infrastructure		300	Acres
Total for one BCT	57	1,282,851	SF
Total for 4 BCT's	228	5,131,404	SF
Total for UEx (Cmd & Control)	13	437,646	SF
Infrastructure for 4 BCTs and UEx		1,500	Acres
Multi-Functional Aviation Brigade	43	1,565,000	SF
Infrastructure for MFAB		500	Acres
Modular Force Complex Total	284	7,134,050	SF
		2,000	Acres

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Ft Bliss Concept Site Plan



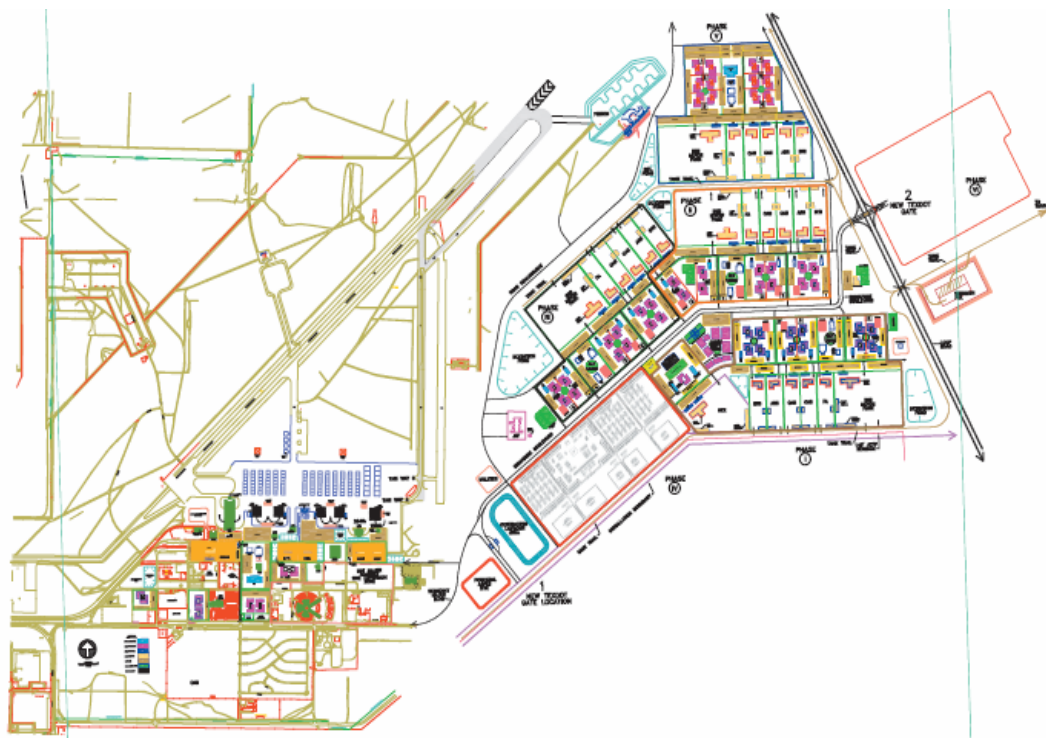
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Land Development Approach



- Acquire services of an experienced **land development engineering firm**
- This firm is a **significant part of the program delivery team**
- The firm will be **responsible for all aspects** of site development, site design and the integration of all utilities and facilities
- This firm will also provide **manpower to assist** with the project management and construction oversight duties
- Site and infrastructure **construction work** will be accomplished by **Infrastructure Multiple Award Task Order Contracts (MATOCs)**.

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Land Development Engineer Scope of Services



- **Site Development**
 - Mobilization Support
 - Land Usage
 - Cost Controls
 - Transportation - Site And Regional Corridors
 - Utility - Corridors and Easements
 - Drainage
- **Site Design**
 - Access Control Facilities
 - Roads, Airfield Aprons, Pavements
 - Drainage
 - Lighting
 - Landscaping
- **Site Integration**
 - Phasing
 - Utilities (gas, elect, water, wastewater, communication)
 - Buildings
 - Storm Drainage
- **Management And Oversight Support**
 - Master Planning
 - Program And Project Management
 - Project Controls
 - Construction Management
 - Quality Assurance

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Product Line Approach

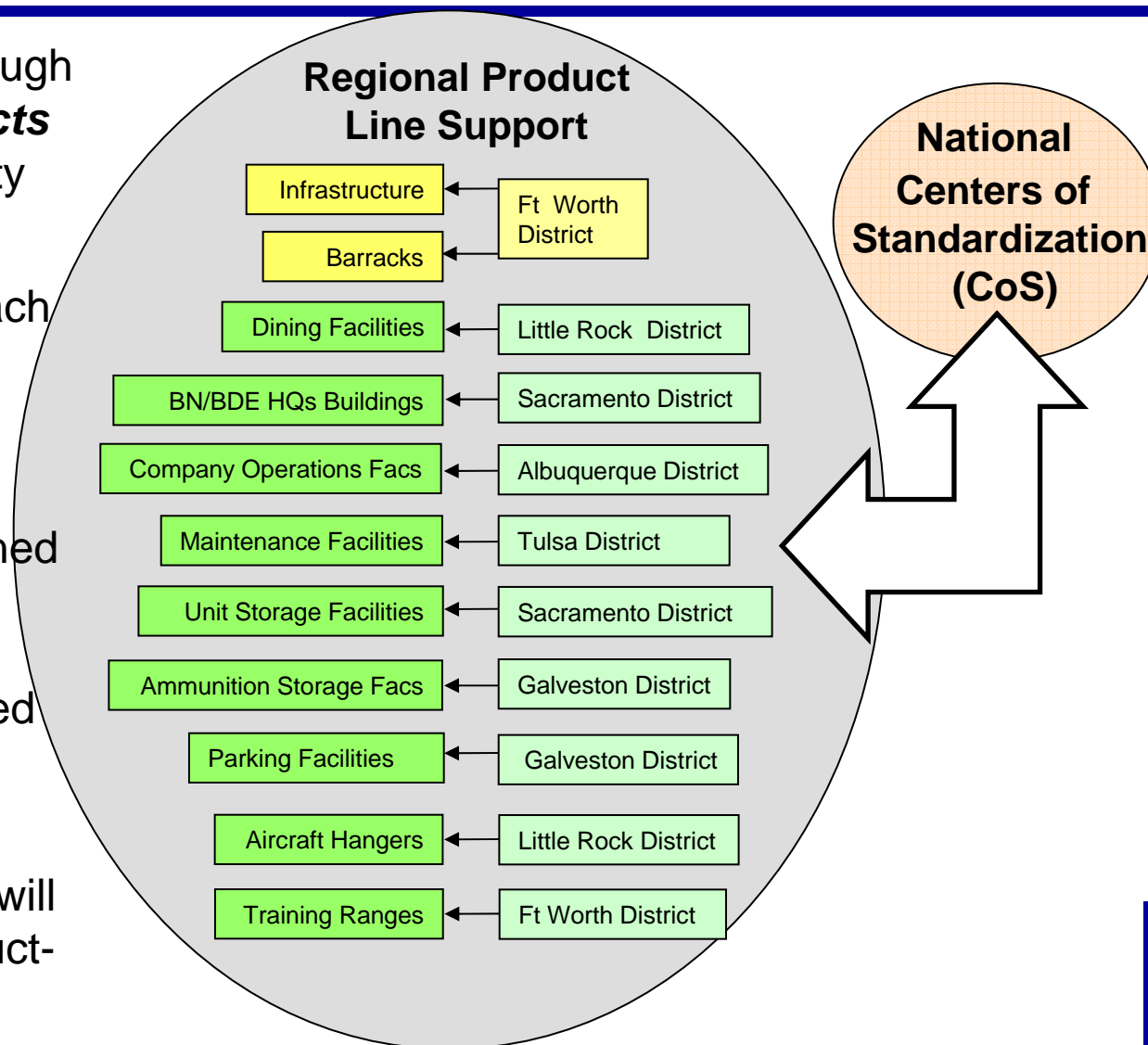


- Facilities are provided through **Design-Build IDIQ Contracts** set up for each type of facility (Product-Lines).

- Standards & Criteria for each product-line is provided by **USACE Centers of Standardization (CoS)**

- Support Districts are assigned to each product line and provide **“Cradle to Grave”** support for task orders issued against their product-line contracts.

- On-site Resident Offices** will administer all site and product-line task orders execution



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Product-Line Design/Build IDIQ Contracts



- Capitalizes on industry strengths and best practices
- Encourages non-traditional builders to compete
- Provides separable contract packages for small business opportunities and set-aside programs
- Provides repeat business incentive for good performance
- Repetitive nature work reduces learning curve, providing for lower cost, faster delivery and improved quality
- Facilitates incorporation of lessons learned into future task orders
- Allows supporting District to concentrate on one or two product lines and become the expert within the region



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Potential Additional Facilities



In addition to the potential Modular Force Mission Critical Facilities it is anticipated that projects to provide additional mission facilities, training ranges and community facilities will be forthcoming over a five year period.

Types of Additional Facilities include:

Administration

Education

Fuel Facilities

Access Control Points (Gates)

Digital Multipurpose Ranges

Shoot Houses

Urban Assault Courses

Medical Facilities

Fire Station/MP Station

Physical Fitness Center

Residential Communities

Chapel Centers

Community Activities Center

Child Development Centers

Youth Activities Facilities

AAFES Retail Facilities

Majority of projects are in the \$2-7 Mil range

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Questions



Panel Members

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